

	0000000000	SSSSSSSSSSSS	UUU	UUU	PPPPPPPPPPPP	
	0000000000	SSSSSSSSSSSS	UUU	UUU	PPPPPPPPPPPP	
	0000000000	SSSSSSSSSSSS	UUU	UUU	PPPPPPPPPPPP	
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	000	000	SSS	UUU	PPP	PPP
	0000000000	SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	PPP	
	0000000000	SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	PPP	
	0000000000	SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	PPP	

FILEID**XFDEF

F 3

XFS
V04

XX XX FFFFFFFFFF DDDDDDDDDDD EEEEEEEEEE FFFFFFFFFF
XX XX FFFFFFFFFF DDDDDDDDDDD EEEEEEEEEE FFFFFFFFFF
XX XX FF DD DD DD EEE FF
XX XX FFFFFFFF DD DD EEEEEEEEEE FFFFFFFF
XX XX FFFFFFFF DD DD EEEEEEEEEE FFFFFFFF
XX XX FF DD DD DD EEE FF
XX XX FF DD DD DD EEE FF
XX XX FF DDDDDDDDD EEEEEEEEEE FF
XX XX FF DDDDDDDDD EEEEEEEEEE FF

FFFFFFFFFF	000000	RRRRRRRR
FFFFFFFFFF	000000	RRRRRRRR
FF	00	RR
FFFFFFFFFF	00	RRRRRRRR
FFFFFFFFFF	00	RRRRRRRR
FF	00	RR
FF	000000	RR
FF	000000	RR

C Version: 'V04-000'

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C Modified by:

C V03-001 Steve Beckhardt 1-Jun-1982
C Corrected definitions for XFSM_IOS_CMDSTD and
C XFSM_IOS_DRVABT bits.

C Function Codes

PARAMETER	XFSK_PKT_RD = 0 ,	!read device
1	XFSK_PKT_RDCHN = 1,	!read device chained
1	XFSK_PKT_WRT = 2,	!write device
1	XFSK_PKT_WRTCHN = 3,	!write device chained
1	XFSK_PKT_WRTCM = 4,	!write control message
1	XFSK_PKT_SETTST = 6,	set self test
1	XFSK_PKT_CLRTST = 7,	clear self test
1	XFSK_PKT_NOP = 8,	no-op
1	XFSK_PKT_DIAGRI = 9,	diagnstic read internal
1	XFSK_PKT_DIAGWI = 10,	diagnostic wrt internal
1	XFSK_PKT_DIAGRD = 11,	diagnostic read DDI
1	XFSK_PKT_DIAGWC = 12,	diag write control msg
1	XFSK_PKT_SETRND = 13,	set random enable
1	XFSK_PKT_CLRRND = 14,	clear random enable
1	XFSK_PKT_HALT = 15,	set halt

C Interrupt Control Codes

PARAMETER	XFSK_PKT_UNCOND = 0,	!unconditional interrupt
1	XFSK_PKT_TMQMT = 64,	!int if TERMQ empty
1	XFSK_PKT_NOINT = 128,	!do not deliver int

C
C Command Control Codes
C

```
PARAMETER XFSK_PKT_NOTRAN = 0,      !no transmission
1 XFSK_PKT_CB = 8,      !send only command byte
1 on Control Interconnect
1 XFSK_PKT_CBDM = 16,    !send command byte and
1 device message
1 XFSK_PKT_CBDMBC = 24  !send command byte,
1 dev msg, and byte count
```

C
C Other Modes Values
C

```
PARAMETER XFSK_PKT_SUPLEN = 32      !suppress length error
PARAMETER XFSK_PKT_INSHD = 256      !insert pkt at head
PARAMETER XFSK_PKT_INSTL = 0        !insert pkt at tail of q
```

C
C Masks for error bits set in the IO Status Block
C

```
PARAMETER XFSM_IOS_CIPE = '20000000'X,
1 XFSM_IOS_CMDSTD = '2'X,
1 XFSM_IOS_DDIDIS = '10'X,
1 XFSM_IOS_DDIERR = '80'X,
1 XFSM_IOS_DIPE = '40000000'X,
1 XFSM_IOS_DRVABT = '2000'X,
1 XFSM_IOS_FREQMT = '200'X,
1 XFSM_IOS_FREQPK = '8'X,
1 XFSM_IOS_INVDDI = '800'X,
1 XFSM_IOS_INVPKT = '100'X,
1 XFSM_IOS_INVPTE = '4'X,
1 XFSM_IOS_LENERR = '1000'X,
1 XFSM_IOS_LOG = '40'X,
1 XFSM_IOS_NEXREG = '20'X,
1 XFSM_IOS_NORMAL = 1,
1 XFSM_IOS_PARERR = '80000000'X,
1 XFSM_IOS_RDSERR = '2000000'X,
1 XFSM_IOS_RNDENB = '400'X,
1 XFSM_IOS_RNGERR = '40'X,
1 XFSM_IOS_SBIERR = '1000000'X,
1 XFSM_IOS_SLFTST = '20'X,
1 XFSM_IOS_UNQERR = '80'X,
1 XFSM_IOS_WCSPE = '10000000'X
```

C
C Masks for error bits set in DSL in packet
C

```
PARAMETER XFSM_PKT_CMDSTD = '2000'X,
1 XFSM_PKT_DDIDIS = '10'X,
1 XFSM_PKT_DDIERR = '80'X,
1 XFSM_PKT_DRVABT = '2'X,
1 XFSM_PKT_FREQMT = '200'X,
1 XFSM_PKT_FREQPK = '8'X,
1 XFSM_PKT_INVDDI = '800'X,
1 XFSM_PKT_INVPKT = '100'X,
1 XFSM_PKT_INVPTE = '4'X,
```

```
1 XFSM_PKT_LENERR = '1000'X,
1 XFSM_PKT_LOG = '40'X
1 XFSM_PKT_NEXREG = '20'X,
1 XFSM_PKT_NORMAL = '1'X
1 XFSM_PKT_RNDENB = '400'X,
1 XFSM_PKT_RNGERR = '40'X,
1 XFSM_PKT_SLFTST = '20'X,
1 XFSM_PKT_UNQERR = '80'X
```

C
C SHRS Status Returns
C

```
PARAMETER SHRS_HALTED = '1270'X !transfer is halted
PARAMETER SHRS_QEMPTY = '1280'X !no packet on TERMQ
PARAMETER SHRS_NOCMDMEM = '1278'X .no cmd memory allocated
```

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